

## **VASCULAR FILTER DEVICE**

### Abstract of the Disclosure

A vascular filter for capturing and breaking apart particles in the blood. The vascular filter includes a filter body and an agitation member disposed within the filter body. Movement of the agitation member acts on particles trapped within the filter body for enhancing the dissolution of the particles, thereby reducing the likelihood of filter occlusion and improving the flow of blood through the vessel. The vascular filter is preferably collapsible for percutaneous delivery to a treatment site. The agitation member is preferably rotatably coupled to the filter body and a flow receiving member is provided for causing the agitation member to rotate. A clutch mechanism may be provided such that the agitation member only rotates when a particle, such as a blood clot, is trapped within the filter body.

PATENT